TO2360 "20020660

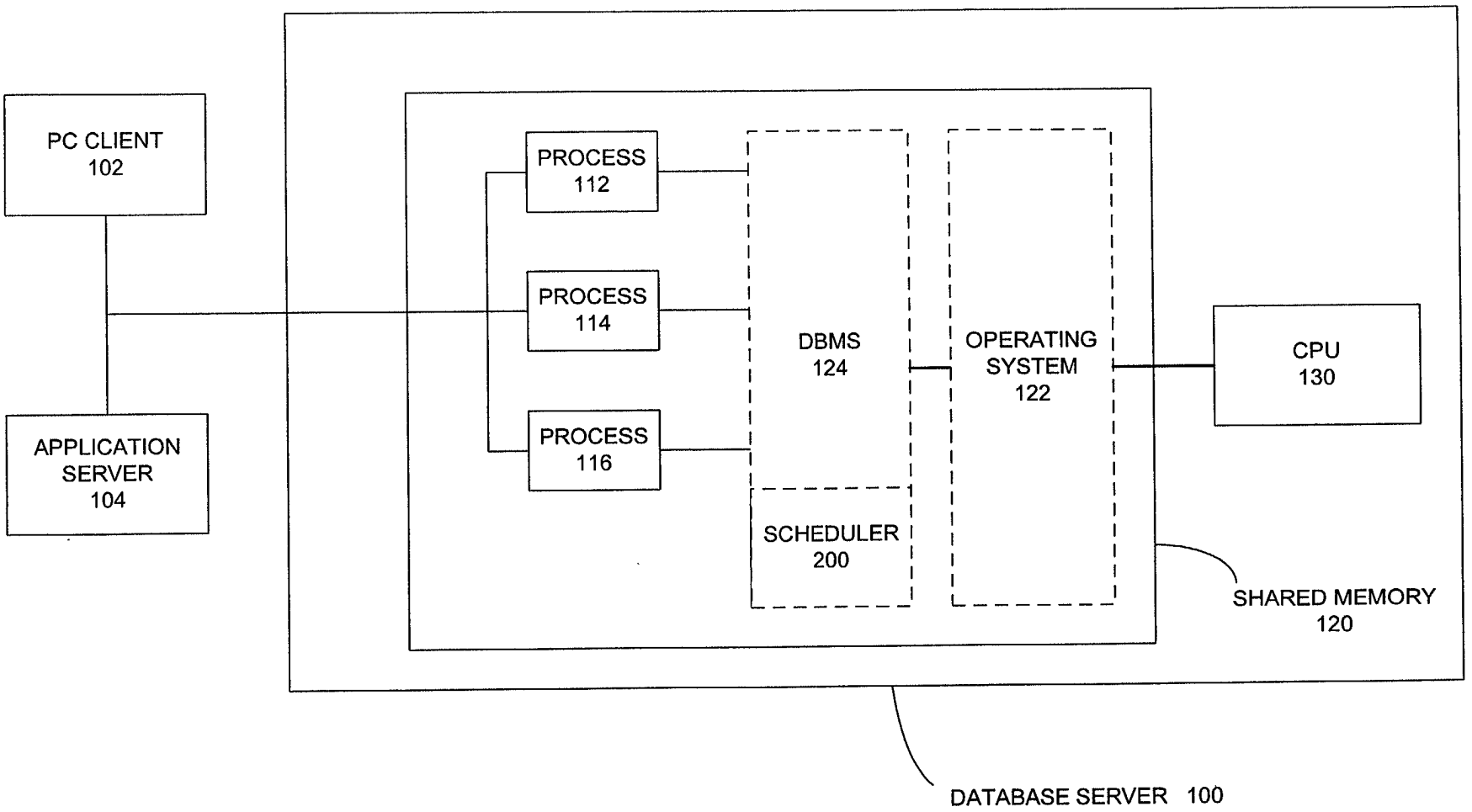


FIG. 1

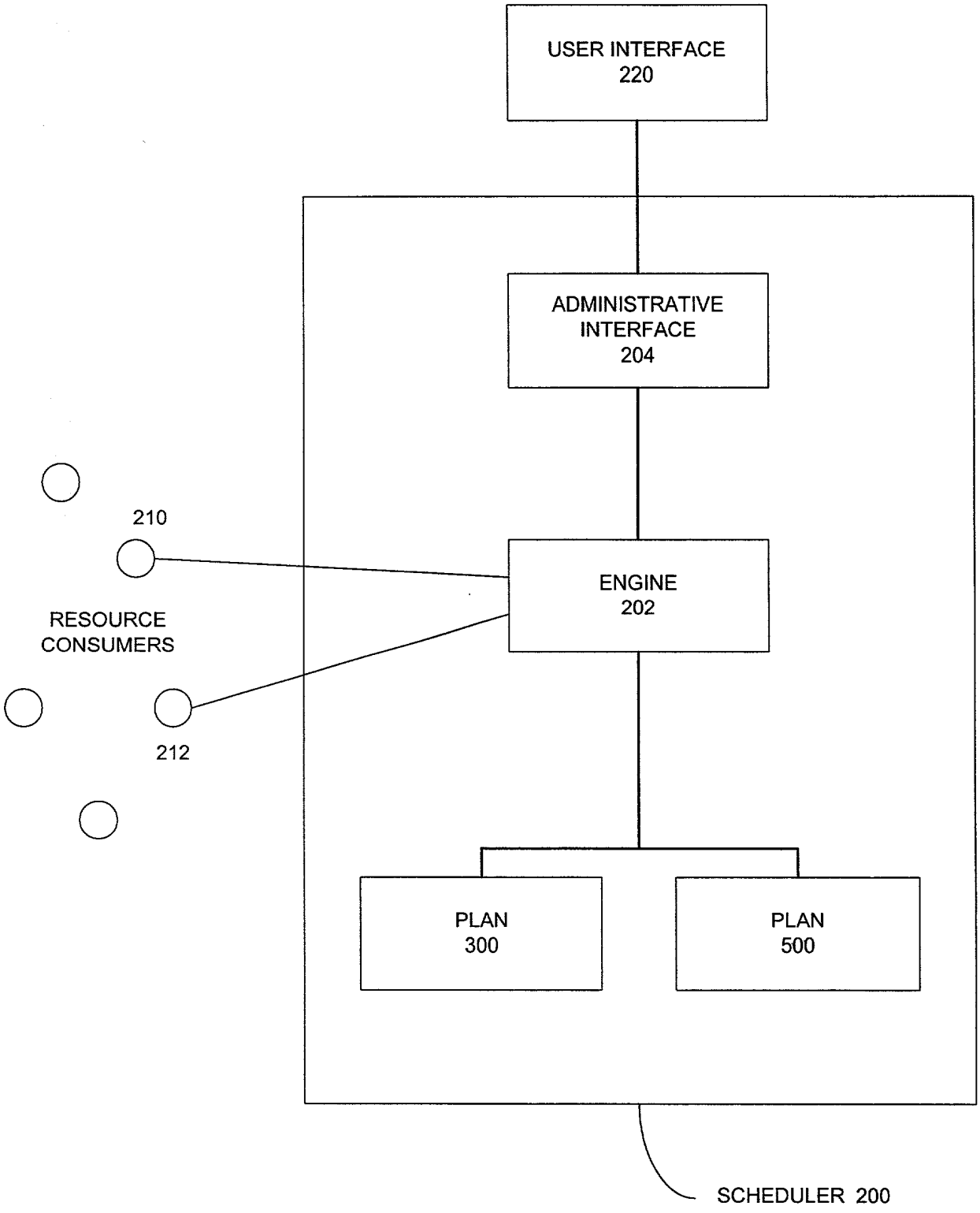

USER INTERFACE
220
ADMINISTRATIVE
INTERFACE
204
210
ENGINE
202
RESOURCE
CONSUMERS
212
PLAN
300
PLAN
500
SCHEDULER 200

FIG. 2

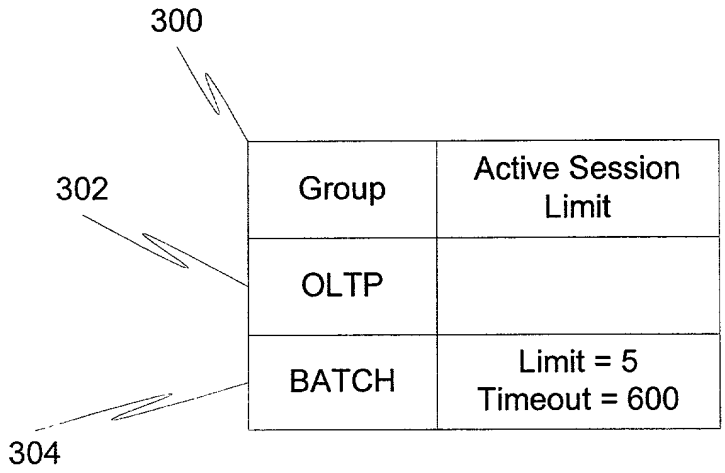
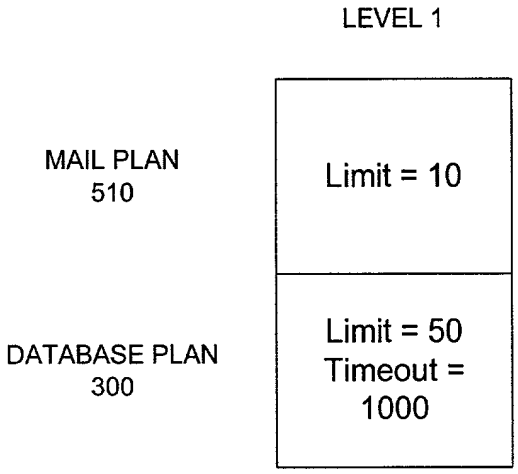

300
302
304
Group
Active Session Limit
OLTP
BATCH
Limit = 5
Timeout = 600

FIG. 3



MASTER PLAN 500

FIG. 4A

	LEVEL 1	LEVEL 2
MAIL USERS 512	0%	80% Timeout = 600
POSTMAN CLASS 514	40% Timeout = 400	0%
MAIL MAINTENANCE 516	0%	20% Timeout = 200

MAIL PLAN 510

FIG. 4B

4,959,768

	LEVEL 1 552	LEVEL 2 554	LEVEL 3 556
ON-LINE CONSUMERS 560	60%	50%	0%
BATCH CONSUMERS 562	20%	0%	100%
DBMS MAINTENANCE 564	0%	50%	0%

DATABASE PLAN 550

FIG. 4C

T0236 "99296"

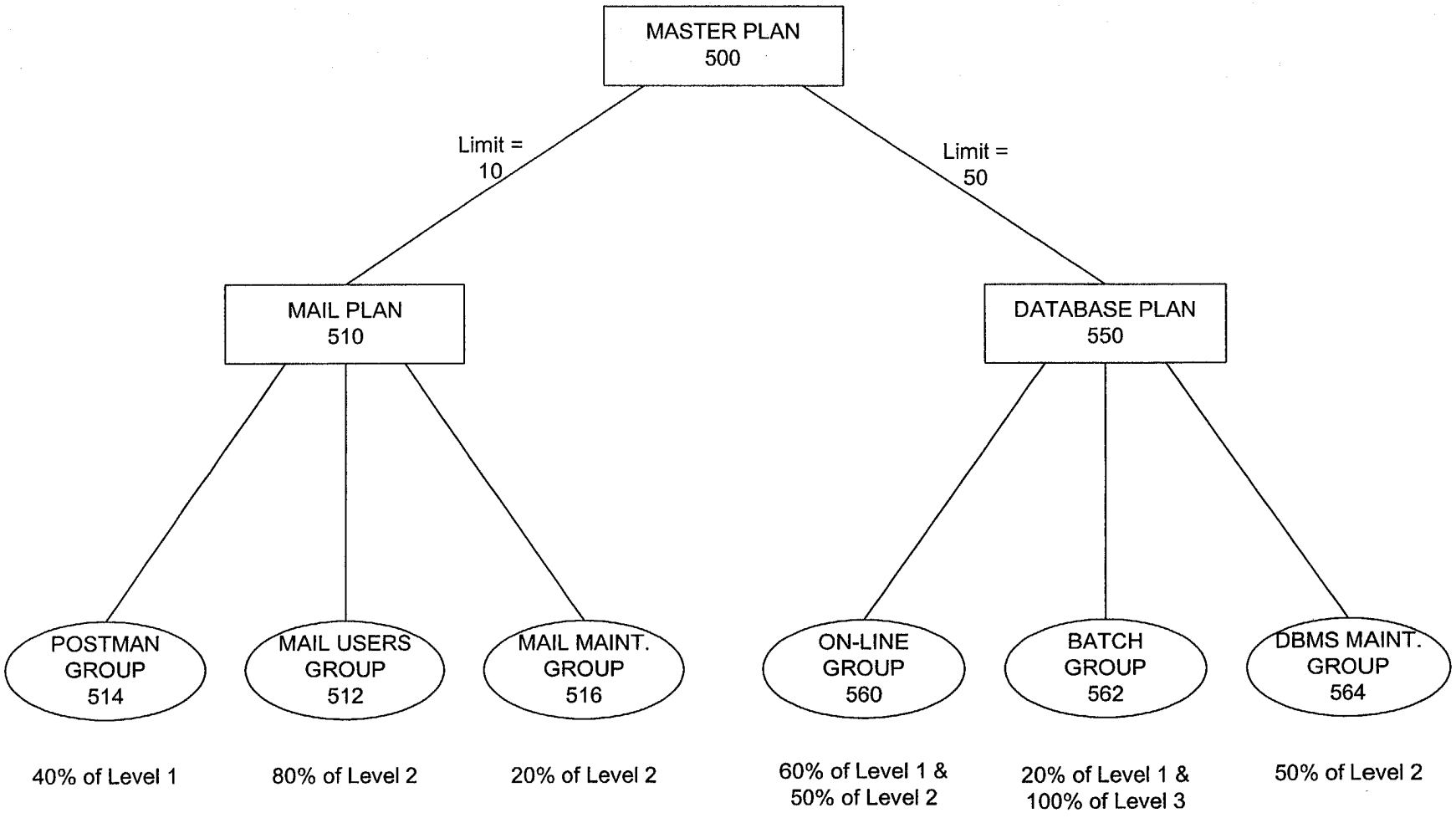


FIG. 5

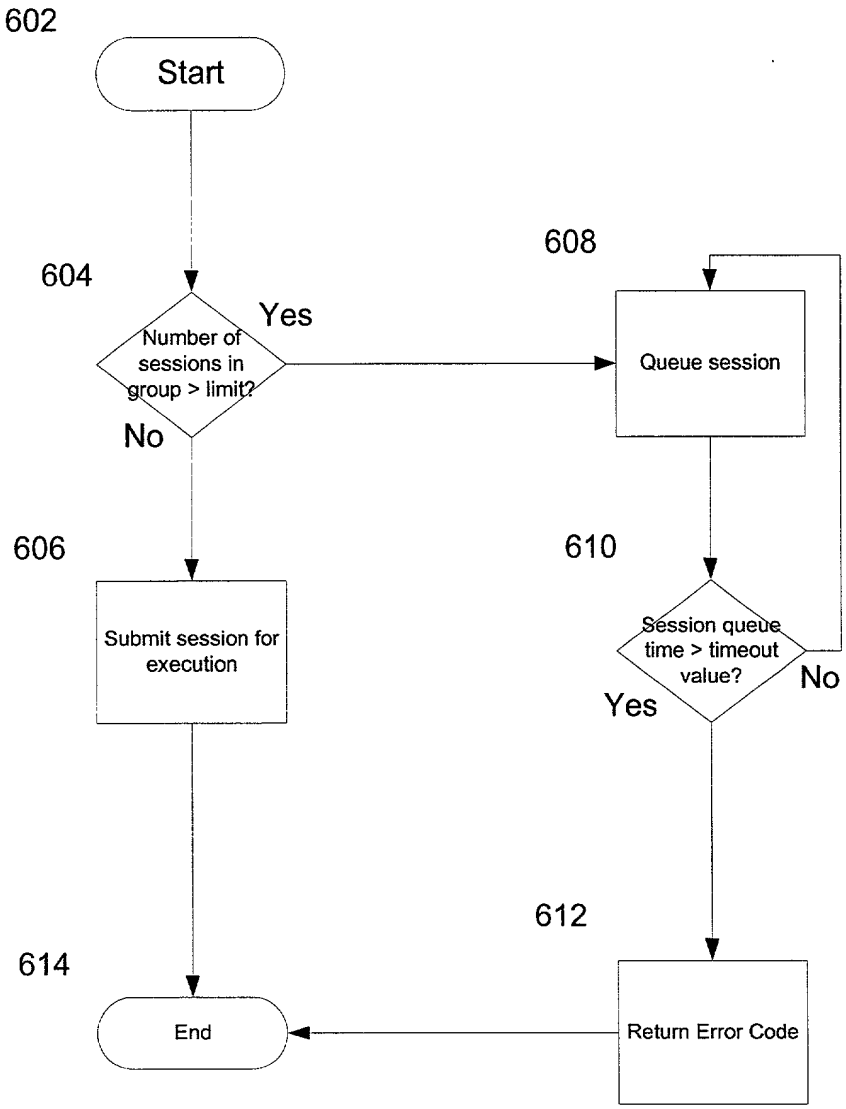

602
Start
604
Number of sessions in group > limit?
Yes
No
606
Submit session for execution
608
Queue session
610
Session queue time > timeout value?
Yes
No
612
Return Error Code
614
End

FIG. 6

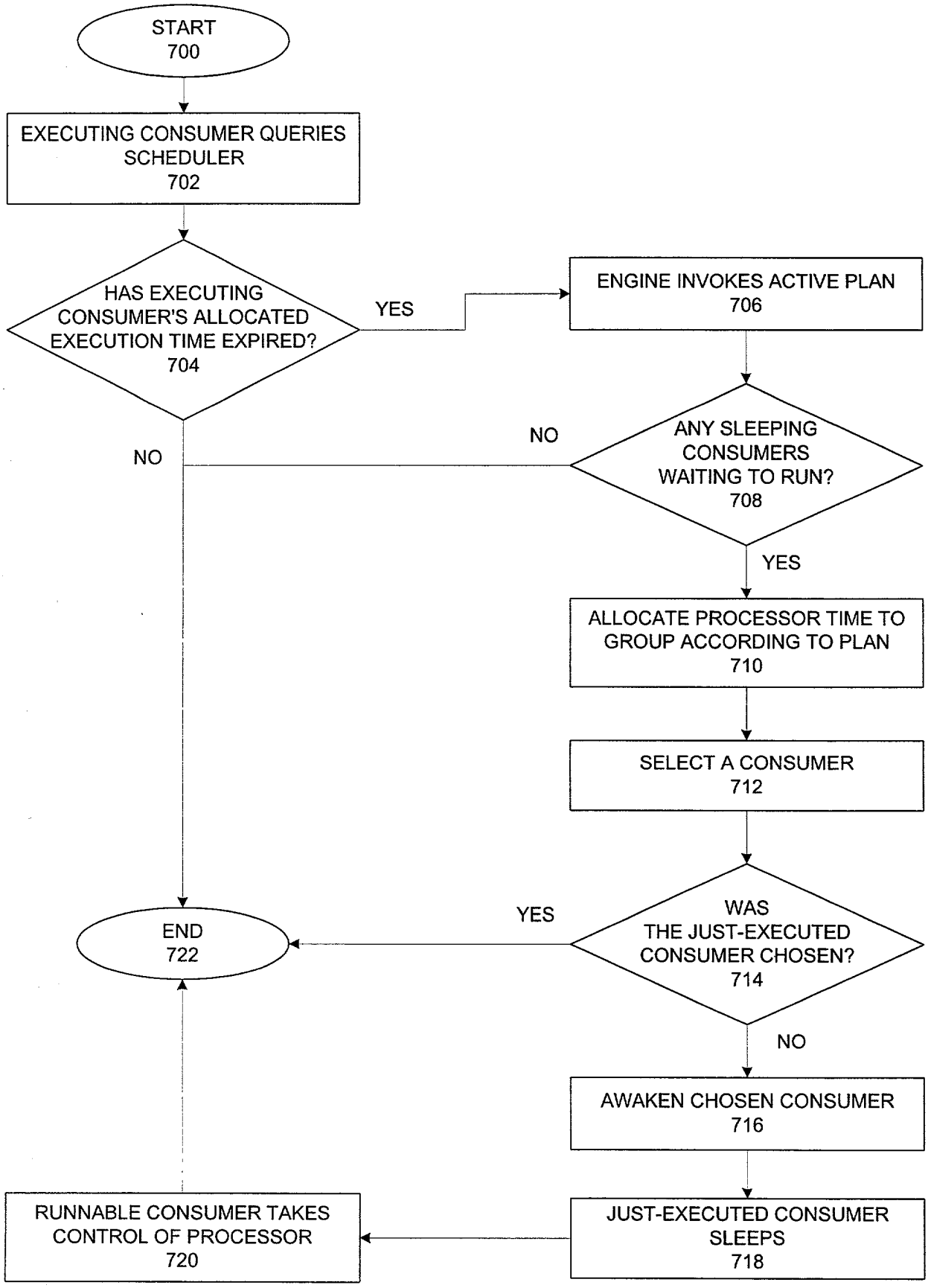

START
700
EXECUTING CONSUMER QUERIES SCHEDULER
702
HAS EXECUTING CONSUMER'S ALLOCATED EXECUTION TIME EXPIRED?
704
YES
ENGINE INVOKES ACTIVE PLAN
706
NO
NO
ANY SLEEPING CONSUMERS WAITING TO RUN?
708
YES
ALLOCATE PROCESSOR TIME TO GROUP ACCORDING TO PLAN
710
SELECT A CONSUMER
712
YES
WAS THE JUST-EXECUTED CONSUMER CHOSEN?
714
END
722
NO
AWAKEN CHOSEN CONSUMER
716
RUNNABLE CONSUMER TAKES CONTROL OF PROCESSOR
720
JUST-EXECUTED CONSUMER SLEEPS
718

FIG. 7

800

	Group	Session Limits
302	OLTP	session limit = 0 timeout = 60,000
304	BATCH	session limit = 0 timeout = 60,000
810	MAINTENANCE	<none>

FIG. 8

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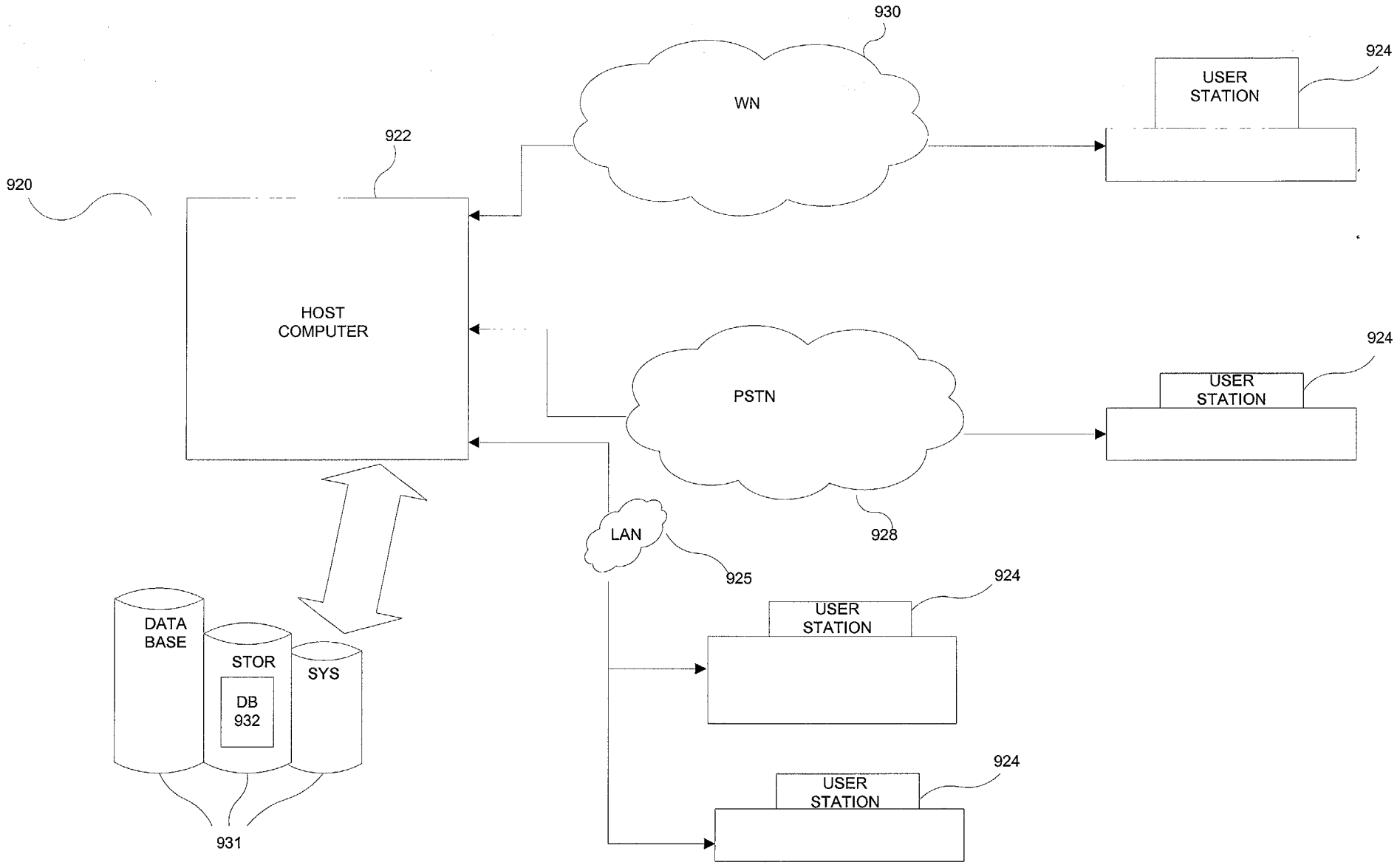

FIG. 9

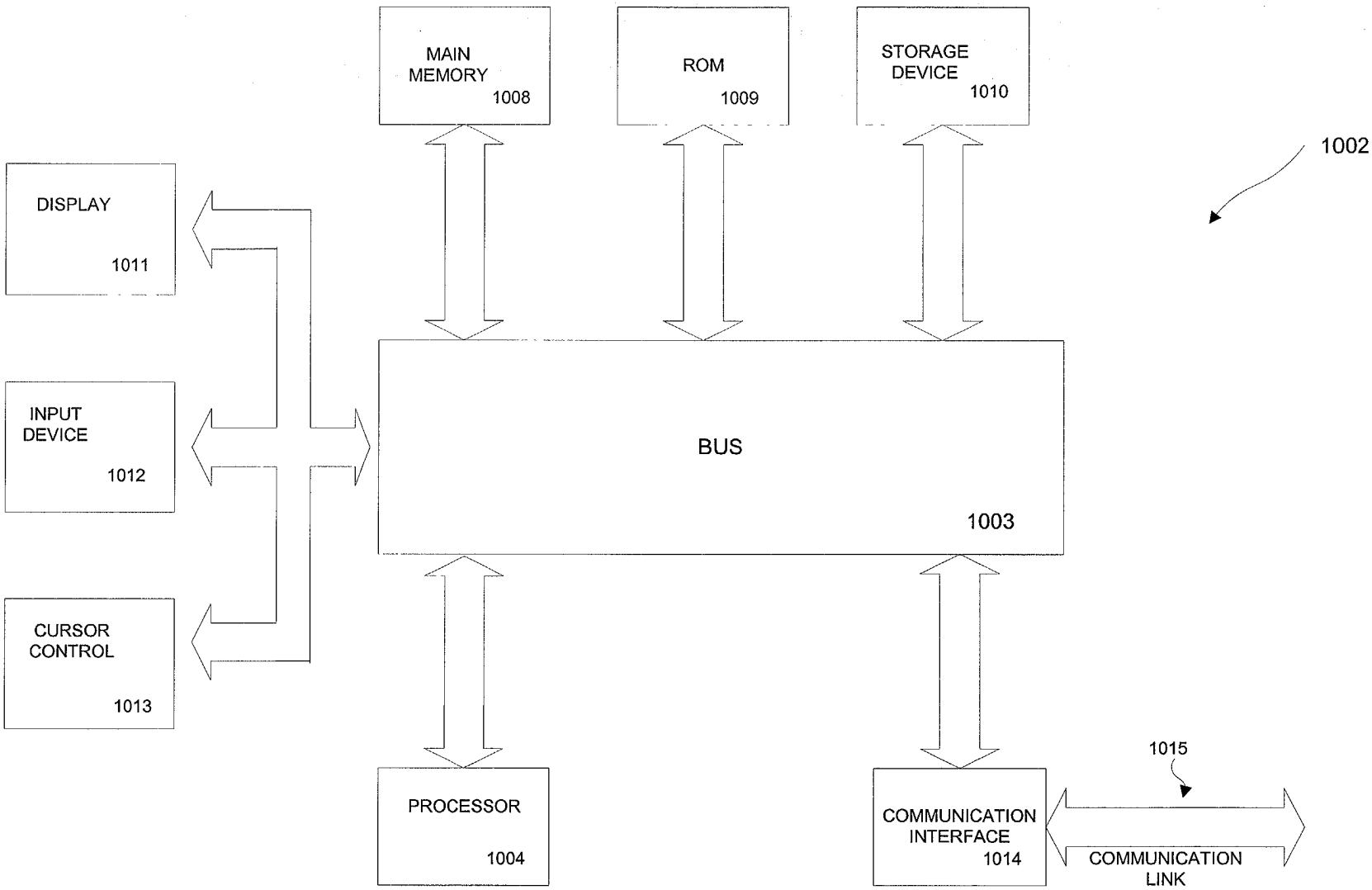
MAIN MEMORY 1008
ROM 1009
STORAGE DEVICE 1010
1002
DISPLAY 1011
INPUT DEVICE 1012
CURSOR CONTROL 1013
BUS 1003
PROCESSOR 1004
1015
COMMUNICATION INTERFACE 1014
COMMUNICATION LINK

FIG. 10